Recei	ot date:	06/23/	2006
10001	or vare.	00/20/	LVVV

OPE 40,3

Sheet 1 of 2

Form PTO-1449	U.S. DEPARTMENT & COMMERCE PATENT AND TRADER TRADERICE	ATTY. DKT. NO. 635.45890X00	SERIAL NO. 10/567,445		
INFORMAT	TION DISCLOSURE STATEMENT	APPLICANT  M. MORBIDELLI, et al.			
	BY APPLICANT	FILING DATE	GROUP		
l (	Use several sheets if necessary)	February 7, 2006			

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC						,
AD		· [				
AE						
AF						
AG						
AH						
AI						
AJ						_
AK						
AL		T				

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	ment ber Date Country Class		Class	ass Subclass	Translation /Abstract	
						Yes	No
AM							
AN							
AO							
AP						,	
AQ							
AR							
AS							
AT					1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER	OTHER DOCUMENTS (Including Author, Title, Date, Fertillett Fages, Etc.)						
/H N /	AU	"Advances in Chemical Engineering," vol. 17, pp. 5-8, Aca	demic Press (1992).				
20000	AV	Zhu, X., and Vigil, R.D., "Banded liquid-liquid Taylor-Couette-Poiseuille flow," AIChE Journal (2001), 47:1932-1940.					
300000000000000000000000000000000000000		Haut, B., Ben Amor, H., Coulon, L., Jacquet, A., and Halloin, V., "Hydrodynamics and mass transfer in a Couette-Taylor bioreactor for the culture of animal cells," Chem. Eng. Sci. (2003), 58:777-784.					
	AX	Drozdov, S.M., "A numerical investigation of a modified Couette-Taylor apparatus with application to industrial mixing," Theoret. Comput. Fluid Dynamics (2002), 16:17-18.					
000000000000000000000000000000000000000		Resende, M.M., Tardioli, P.W., Fernandez, V.M., Ferreira, A.L.O., Giordano, R.L.C., and Giordano, R.C., "Distribution of suspened particles in a Taylor-Poiseuille vortex flow reactor." Chem. Eng. Sci. (2001), 56: 755-761					
V	AZ	Mavros, P., Mann, R., Vlaev, S.D., and Bertrand, J., "Experimental visualization and CFD simulation of flow patterns induced by a novel energy-saving dual-configuration impeller in stirred vessels," Trans IchemE (2001), 79:857-866.					
Examin		/Huy Tram Nguyen/	Date Considered 11/18/2010				

Sheet 2 of 2

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMS OF THE PATENT AND TRADE	ATTY. DKT. NO. 635.45890X00	SERIAL NO. 10/567,445	
INFORMAT	ION DISCLOSURE STATEMENT	APPLICANT M. MORBIDELLI, et al.		
(1	BY APPLICANT  Use several sheets if necessary)	FILING DATE February 7, 2006	GROUP	

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC					<u> </u>	
AD						
AE					<u> </u>	
AF			·			
AG						
AH						
AI						ļ <u></u>
AJ						
AK						
AL					1	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	ocument umber Date Country		Class	Subclass	Translation /Abstract	
			İ		Yes	No	
AM							
AN							
AO							
AP					<u> </u>		
- AQ							
AR							
AS							
AT							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/H.N./	AU	Campolo, M., Sbrizzai, F., and Soldati, A., "Time-dependent flow structures and Lagrangian mixing in Rushton-impeller baffled-tank reactor," Chem. Eng. Sci. (2003), 58:1615-1629.
/H.N./	AV	Wu, H., and Patterson, G.K., "Laser-Doppler measurements of turbulent-flow parameters in a stirred mixer," Chem. Eng. Sci. (1989), 44:2207-2221.
	AW	
	AX	
	AY	
	AZ	
-		

/Huy Tram Nguyen/

11/18/2010